Indexes

Contents Index

Forecast of rainy-season foodgrain production based on monsoon rainfall	B Parthasarathy, K Rupa Kumar and A A Munot	1
Quality of effluent water discharged from paperboard industry and its effect on alluvial soil and crops	P Narasimharao and Y Narasimharao	9
Consumptive use and irrigation requirement of coconut (*Cocos nucifera*) in coastal sandy soils	A Mahesha, K B Abdul Khader and G Ranganna	13
Effect of method of irrigation on yield and quality of cigar- filler tobacco (*Nicotiana tabacum*)	C V Raghavaiah, S Krishnamurthy, R Athinarayanan and C B Sharma	16
Effect of cultural practices on productivity and economics of rice (*Oryza sativa*)–wheat (*Triticum aestivum*) cropping system in plateau region of Bihar	B P Singh and D C Ghosh	20
Effect of method of sowing and weed-control practice on performance of rice (*Oryza sativa*) under intermediate deep-water condition	A R Sharma and M D Reddy	24
Effect of different herbicides on population dynamics and growth of purple nutsedge (*Cyperus rotundus*) in semi-dry rice (*Oryza sativa*)	K Bhargavi and T Yellamanda Reddy	29
Comparative performance of *gobhi sarson* (*Brassica napus* subsp *oleifera* var *annua*) and Indian mustard (*B. juncea*) in intercropping with potato (*Solanum tuberosum*)	S S Narwal and Ved Prakash	35
Effect of population diversity on yield stability of spanish groundnut (*Arachis hypogaea* subsp *fastigiata* var *vulgaris*)	G J Patra, B R Singh, J P Mohanty and B C Sahu	41
Variability in periwinkle (*Catharanthus roseus*)	B M Singh, S K Pareek, S Mandal, M L Maheshwari and Rajendra Gupta	47
Evaluation of tractor-operated reapers for harvesting *toria* (*Brassica napus* var *napus*) and Indian mustard (*B. juncea*)	J Prasad	51
Influence of environmental parameters on dry-matter production in wheat (*Triticum aestivum*)	Surender Singh, Diwan Singh and V U M Rao	56
Rainfall pattern and cropping strategy for Jabalpur region	U Shanker, K K Agrawal and V K Gupta	58
Effect of sodicity and salinity on free and protein-bound amino acids in Indian gooseberry (*Emblica officinalis*)	S N Dikshit and R K Pathak	60
Relative effect of sublethal doses of herbicides on sucker suppression in chewing tobacco (*Nicotiana tabacum*)	C V Raghavaiah and R Athinarayanan	64
Productivity of winter intercrops under limited irrigation	P B Sharma, Sandeep Sharma, S K Shrivastava and R A Khan	67
Integrated nitrogen management in rice (*Oryza sativa*)–wheat (*Triticum aestivum*) cropping system	A R Sharma and B N Mittra	70
Effect of nitrogen-application schedule on ammonia volatilization from field of rice (*Oryza sativa*)	B P Dhyani and B Mishra	73
Nitrogen economy in wheat (*Triticum aestivum*) through use of *Azotobacter chroococcum*	K Lakshminarayana, N Narula, I S Hooda and A S Faroda	75

Interaction effect of phosphorus and lead in maize (*Zea mays*)	B D Kansal, S P Saini and N P Thakur	77
Relationship of manganese with iron and zinc and their effect on dry matter and seed yield of opium poppy (*Papaver somniferum*) under two fertility levels	M Anwar, D D Patra, A K Mukhopadhyay and D V Singh	80
Factor analysis of vegetative and yield traits in okra (*Hibiscus esculentus*)	O J Ariyo	83
Criteria for initiating insecticide spray to control bollworms (*Pectinophora gossypiella, Earias vitella* and *E. insulana*) of cotton (*Gossypium* species)	G S Simwat, A K Dhawan and A S Sidhu	85
Relationship between insect damage and yield of cabbage (*Brassica oleracea* convar *capitata* var *capitata*) transplanted during different times	H C Ratanpara, J R Patel, P K Borad, D M Mehta, A M Patel and B R Shah	88
Detection and identification of sugars and amino acids in powdery mildew (*Erysiphe graminis tritici*)-infected and healthy leaves of wheat (*Triticum aestivum*)	R P Kaushal, V Kumar and N Kanwar	91
Effect of bacterial blight (*Xanthomonas campestris* pv *cyamopsidis*) on yield and yield-contributing characters of vegetable clusterbean (*Cyamopsis tetragonoloba*)	I S Bisht, R L Sapra and B S Dabas	93
Evaluation of germplasm of summer greengram (*Phaseolus radiatus*) for resistance to butterfly pod-borer (*Euchrysops cnojus*)	Morzia Begum and Muhammad Husain	95
Parasitization efficacy of *Trichogramma japonicum* on rice-leaf folder (*Cnaphalocrosis medinalis*)	B Rajendran	97
Use of sprouts for rapid multiplication in potato (*Solanum tuberosum*)	Lallan Singh	101
Influence of fumigation of sulphur dioxide, ammonia, nitrogen dioxide alone and in mixture on growth of rice (*Oryza sativa*)	M Anbazhagan and K A Bhagwat	106
Biological potential and economic feasibility of maize (*Zea mays*) + pigeonpea (*Cajanus cajan*) intercropping system in drylands	A Rafey and N K Prasad	110
On-farm evaluation of improved package of technology for tossa jute (*Corchorus olitorius*)–late-rainy-season rice (*Oryza sativa*)–wheat (*Triticum aestivum*) cropping pattern	Subhash Dasgupta, A K Azad and M M Rahman	114
Residual, direct and cumulative effect of phosphatic fertilizers on inorganic phosphorus fractions in soils after finger millet (*Eleucine coracana*)–maize (*Zea mays*) cropping sequence	P Singaram and G V Kothandaraman	118
Response of wheat (*Triticum aestivum*) genotypes to sodicity in association with waterlogging at different stages of growth	K S Gill, Ali Qadar and K N Singh	124
Response of onion (*Allium cepa*) to irrigation, nitrogen fertilizer and row spacing on deep sandy-loam soil in subtropical monsoon region	T S Aujla and S P S Madan	129
Performance of turmeric (*Curcuma longa*) under mid-hill conditions of Himachal Pradesh	B N Korla, R S Rattan and R K Goyal	135
Seasonal variations of theaflavins, thearubigins, brightness, colour, quality and mineral composition of Kangra tea (*Camellia sinensis*)	R G Sud and B K Bhattacharjee	139

Ameliorative effect of tree species on characteristics of sodic soils at Karnal	Gurbachan Singh and H S Gill	144
Use of *Sesbania rostrata* as green-manure crop for rice (*Oryza sativa*) in acid soil	S K Sahu and B C Sahu	147
Potassium requirement of potato (*Solanum tuberosum*) in an acidic soil of Meghalaya	U C Sharma	149
Effect of lime and phosphorus application on sulphate-adsorption capacity of south-western Nigerian soils	M T Adetunji	150
Economics of sunflower (*Helianthus annuus*)–groundnut (*Arachis hypogaea*) intercropping under rainfed condition	Salomi Bina Simon, Mir Mustafa Hussain and Shaik Mohammad	153
Heterosis for quantitative characters in tree cotton (*Gossypium arboreum*)	S K Tomar and S P Singh	156
Correlation and multiple-regression analyses in populations of two Kenyan landraces of spiderflower (*Gynandropsis gynandra*)	C O Omondi and P O Ayiecho	160
Effect of paclobutrazol on productivity characteristics and biennial bearing in 'Dashehari' mango (*Mangifera indica*)	S E S A Khader	163
New record of whitefly (*Bemisia tabaci*) on black pepper (*Piper nigrum*)	A M Ranjith, V S Pillay, S Sasikumaran and K P Mammooty	166
Incidence of various mites on okra (*Hibiscus esculentus*) in Punjab	J S Grewal	169
Stable resistance in wheat (*Triticum aestivum*) to karnal bunt (*Tilletia indica*)	S S Aujla, Indu Sharma and K S Gill	171
Effect of irrigation and nitrogen management on root-growth parameters, N use and seed-yield response of *gobhi sarson* (*Brassica napus* subsp *oleifera* var *annua*)	R S Narang and M S Gill	179
Agro-economic assessment of production technology of upland rice (*Oryza sativa*)	C V Singh, R K Singh, M Variar and V S Chauhan	187
Effect of gypsum, pyrite, pressmud and farmyard manure on soil properties and yield of rice (*Oryza sativa*)	Shiva Kant and Raj Kumar	191
Effect of soil-management practices on status of soil minerals of potato (*Solanum tuberosum*) field	A K Shukla and R R Mishra	196
Cation-exchange capacity of roots in relation to response of fertilizer nutrients in salt-affected soil	A K Srivastava and O P Srivastava	200
Phenology of flowering in large cardamom (*Amomum subulatum*) at Gangtok	G S Karibasappa	205
Relationship between actual evapo-transpiration rate and soil-water content under different evaporative conditions	V Praveen Rao, S V Raikhelkar and V D Sondge	210
Effect of long-term manuring and fertilization on soil-physical properties under soybean (*Glycine max*)–wheat (*Triticum aestivum*) cropping sequence	V K Bhatnagar, S Kundu and Ved Prakash	212
Response of maize (*Zea mays*) + pigeonpea (*Cajanus cajan*) intercropping system to nitrogen in rainfed upland	A Rafey	215
Intercropping in fennel (*Foeniculum vulgare*)	D S Bhati	218
Sodicity and salinity effect on guava (*Psidium guajava*)	A K Singh and R K Pathak	220

Plant emergence and productivity of different vigour of wheat (*Triticum aestivum*) seeds	Smritimala Ganguli, Gitali Das and Swati Sen-Mandi	224
Ecology of germination of the teliospore of karnal-bunt pathogen (*Neovossia indica*)	G S Rattan and S S Aujla	228
Technique for creation of artificial epiphytotic condition of sclerotinia rot (*Sclerotinia sclerotiorum*) of pea (*Pisum sativum*) in field and evaluation of germplasm	A K Sharma	232
Mortality of white-backed planthopper (*Sogatella furcifera*) on resistant varieties of rice (*Oryza sativa*)	N C Mishra and B C Misra	235
Biology and predatory potential of syrphid predators on chrysanthemum aphid (*Macrosiphoniella sanborni*)	K C Sharma and O P Bhalla	238
Bioefficacy of eight pesticides against litchi erineum mite (*Aceria litchii*) and its predators	D D Sharma and A P Thakur	240
Yield of newly evolved genotypes of rainfed sorghum (*Sorghum bicolor*) under different levels of nitrogen and phosphorus	B V Mahakulkar, S S Wanjari, V B Shekar, N R Potdukhe and A M Dhope	247
Genotypic compatibility and spatial arrangement in chickpea (*Cicer arietinum*) and Indian mustard (*Brassica juncea*) intercropping in north-east plains	Masood Ali	249
Effect of irrigation on yield and water use of Indian mustard (*Brassica juncea*), rocket salad (*Eruca sativa*), safflower (*Carthamus tinctorius*) and pigeonpea (*Cajanus cajan*)	Ratan Singh, B Verma, C Prakash and S N Prasad	254
Effect of organic and inorganic sources of nutrients on growth and seed yield of sesame (*Sesamum indicum*)	S S Mondal, D Verma and S Kuila	258
Effect of comparative efficiency of planting methods and soil depth on rainfed cotton (*Gossypium hirsutum*) in Vertisols	R Pundarikakshudu, N J Mudholkar and N P Wankhede	263
Photosynthesis during leaf development in 'JL 24' groundnut (*Arachis hypogaea*)	B M Jamadagni and U K Sengupta	268
Trend, growth and technological development of pearl millet (*Pennisetum glaucum*) crop in different agro-climatic zones of western Rajasthan	B S Gupta, B K Mathur and M L Purohit	273
Effect of pre-sowing seed-soaking on yield of wheat (*Triticum aestivum*) under late-sown irrigated condition	P S Kahlon, H S Dhaliwal, S K Sharma and A S Randhawa	276
Varietal performance of sorghum (*Sorghum bicolor*) and soybean (*Glycine max*) in relation to management level and soil taxonomy of swell-shrink soils of Vidarbha	T N Hajare, Jagdish Prasad, O Challa and S T Gaikawad	278
Effect of nitrogen and mixtalol on french bean (*Phaseolus vulgaris*) during winter	G S Bhatnagar, M K Porwal and G C Nanawati	280
Effect of chlormequat chloride on grain yield of wheat (*Triticum aestivum*) under moisture stress in pot culture	R K Sairam, P S Deshmukh and D S Shukla	282
Effect of season and of boron and lime application on curd yield, curd rot and utilization of boron by cauliflower (*Brassica oleracea* convar *botrytis* var *botrytis*) in an Alfisol	S C Kotur	286
Effect of artificial defoliation on plant growth and seed weight of soybean (*Glycine max*)	R Verma, A K Awasthi and B S Choudhary	290

Evaluation of diploid cottons (*Gossypium* species) for resistance to grey mildew disease caused by *Ramularia gossypii*	N R Holey, G N Satpute, B N Ghoderao and N L Peshney	293
Potential of endosulfan residue for pest control in okra (*Hibiscus esculentus*)	Rajesh Kumar, S V Singh and N D Pandey	295
Response of canopy and yield attributes of groundnut (*Arachis hypogaea*) to chemical mutagen sodium azide	G V S Nagabhushanam and M V R Prasad	303
Effect of irrigation practices on growth, yield and water use of okra (*Hibiscus esculentus*)	M Prabhakar and K Srinivas	309
Irrigation Schedule based on irrigation water : cumulative pan evaporation in opium poppy (*Papaver somniferum*)	Surendra S Tomar, K B Nigam, R S Pachori and L S Kahar	313
Yield and seed-quality characteristics of varieties of glandless cotton (*Gossypium hirsutum*)	K N Gururajan, S Henry and R Krishnamurthy	316
Breeding suitable plant type for high productivity in upland cotton (*Gossypium hirsutum*)	Munshi Singh, V P Singh and S N Bhardwaj	319
Selection for greater fibre strength in medium and superior staple upland cotton (*Gossypium hirsutum*)	Munshi Singh, V P Singh and N B Patil	325
Analysis of gene effects, heterosis and inbreeding depression in *asgandh* (*Withania somnifera*)	V S Kandalkar, H Patidar and K B Nigam	329
Varietal improvement in rice (*Oryza sativa*) for semi-deep waterlogged areas	M J Balakrishna Rao and Nguyen Duy Bao	332
Performance of promising genotypes of soybean (*Glycine max*) in hilly regions of Orissa	B Baisakh and G B Dash	335
Genetics of rust resistance in lentil (*Lens culinaris*)	J P Singh and I S Singh	337
Hazards of sodic irrigation waters in rice (*Oryza sativa*)–wheat (*Triticum aestivum*) rotation	I K Girdhar and N T Singh	339
Effect of seed rate and nitrogen on fibre and seed yields of linseed (*Linum usitatissimum*) in Himachal Pradesh	K Bassi and D Badiyala	341
Effect of sowing date on growth and yield of sunflower (*Helianthus annuus*) varieties at two levels of population	P S Parmar and P C Kharwara	343
Effect of different forms of fertilizers on leaf yield of white mulberry (*Morus alba*) in Malda district of West Bengal	S Sarkar, B K Das, J Sarkar, P K Mistri, A K Sahakundu and N K Das	345
Germination and growth of wood-sorrel (*Oxalis martiana*) as influenced by air-drying and burial depth of bulbs or bulbils	J K Choudhary and A K Pathak	347
Leaf-area estimation in betelvine (*Piper betle*)	Satyabrata Maiti and S R Biswas	349
Dry-matter production in wheat (*Triticum aestivum*) in relation to thermal environment	V U M Rao, Diwan Singh, Raj Singh, Surender Singh and O P Bishnoi	351
Biocontrol of fungal pathogens of tea (*Camellia sinensis*)	Balamani Bezbaruah and Indrani Patgiri	354
Chemical control of onion thrip (*Thrips tabaci*)	P K Srivastava, B S Bhardwaj and R P Gupta	358
'TRC 229 F41', a promising variety of rice (*Oryza sativa*) for waterlogged or swampy areas	S Sardana	361
Correlation and path-coefficient analysis of yield attributes in diverse lines of cowpea (*Vigna unguiculata*)	T O Oseni, D D Lenge and U R Pal	365
Evaluation of economic characters for breeding programme in late group of cauliflower (*Brassica oleracea* convar *botrytis* var *botrytis*)	R S Jamwal, S Prakash and C L Bhardwaj	369

Effect of moisture variation on seed physiology	A K Shrotriya, L S Verma, Ramvir Singh and D R Chaudhary	373
Effect of artificial water stress on different genotypes of groundnut (*Arachis hypogaea*) in dryland	A A Chavan, M V Dhoble and E A Khating	376
Effect of methods of land preparation and herbicide use on weed control and crop performance of rainfed upland rice (*Oryza sativa*) in coastal Orissa	B T S Moorthy	382
Effectiveness of mussoorie rock-phosphate with solubilizing agents in soybean (*Glycine max*)	B Gopalakrishnan and Sp Palaniappan	387
Integrated nutrient management of rice (*Oryza sativa*)–groundnut (*Arachis hypogaea*) cropping system in Aeric Haplaquepts	G N Mitra, S K Sahu and S K Parida	391
Effects of fertility level, cutting height and *beushan* operation on ratooning of rice (*Oryza sativa*)	S Sahoo and D Lenka	395
Nitrogen uptake, consumptive use of water and seed yield of rainfed Indian mustard (*Brassica juncea*) as influenced by starch polymer Jalshakti	Arvind Kumar, Ved Prakash and R P Singh	397
Response of horsegram (*Macrotyloma uniflorum*) varieties to phosphorus level and row spacing	Ishwar Singh and Ganpat Singh	400
Effect of irrigation schedule based on critical growth stages on yield, quality and water use of chickpea (*Cicer arietinum*) on Vertisol	V S Pawar, P D Patil, S D Dahiwalkar and S S Magar	402
Water-production function and optimal irrigation programme for turmeric (*Curcuma longa*)	V Praveen Rao, M Suryanarayana Reddy, V Gopalakrishna and K Sadashiva Rao	405
Stable source of resistance to rust of lentil (*Lens culinaris*)	R P Gupta and A K Singh	408
Stability analysis of quality characters in upland cotton (*Gossypium hirsutum*)	S S Bhatade, V G Reddy and S R Rajewar	410
Non-destructive method of leaf-area determination in betelvine (*Piper betle*)	Suvendu Mandal and K Sengupta	412
Penfluron-induced sterility in adults of black hairy caterpillar (*Pericallia ricini*) and hairy caterpillar (*Euproctis icilia*)	M Maqsood Khan and B B L Srivastava	414
Effect of pesticides on non-target phylloplane microflora on greengram (*Phaseolus radiatus*) leaves	L C Bora, S Gangopadhyay and J N Chand	418
Resistance of gram-podborer (*Helicoverpa armigera*) to insecticides in Gujarat	C C Patel, D M Mehta, J R Patel and N M Patel	421
Efficacy of diflubenzuron alone and in combination with insecticides for control of bollworms on different varieties of upland cotton (*Gossypium hirsutum*)	G S Simwat and Ashok K Dhawan	424
Influence of host on biology of hairy caterpillar, *Euproctis scintillans* (Lepidoptera : Lymantriidae)	N Sakthivel, G Ilamurugan and R Sundararaj	427
In-vitro plant regeneration of cauliflower (*Brassica oleracea* convar *botrytis* var *botrytis*) from mature curd	Vandana A Kumar, A Kumar and J Kumar	429
Response of rice (*Oryza sativa*) to green-leaf manure and prilled urea	Bijan K Mandal, Uttam K Subuddhi and Yudh V Singh	432
Cropping-system planning for semi-arid Marathwada region under limited availability of irrigation water	R P Rodge, V D Sondge, S R Oza, P R Bharambe and V V Dahiphale	436
Role of cowpea (*Vigna unguiculata*) in mixed cropping for forage production	M Bhagavandoss, T R Shanmugam, J Venkatakrishnan, D Vasanthi and V Kathaperumal	442

Effect of sulphur deficiency on metabolism of greengram (*Phaseolus radiatus*)	Chitralekha Chatterjee, Shubhra Shukla and Neena Khurana	445
Effect of nitrogen, phosphorus, potassium, sulphur, zinc and manganese nutrients on yield and sucrose content of sugarcane (*Saccharum officinarum*) in flood-plain soils of Bangladesh	M H Rahman, S K Pal and F Alam	450
Evaluation of fuel production through morphological, yield and microbiological parameters in high-energy varieties of sorghum (*Sorghum bicolor*)	L R Nain, S Solomon and S L Gulati	456
Effectiveness of selection on character association in groundnut (*Arachis hypogaea*)	G J Patra, B Singh and P Patra	461
Effect of summer legumes on productivity and nitrogen economy of succeeding rice (*Oryza sativa*) in sequential cropping	Masood Ali	466
Effect of leaf-blade and awn on grain yield of rainfed wheat (*Triticum aestivum*) at different stages of spike development	Dalip Singh and Deedar Singh	468
Effect of irrigation schedule, method and mulching on yield of and nutrient uptake by maize (*Zea mays*)	B S Jadhav, A S Jadhav and S B Jadhav	472
Response of rainfed pearl millet (*Pennisetum glaucum*) to nitrogen fertilization and moisture conservation	B Lal, S K Kaushik and R C Gautam	476
Effect of nitrogen schedule and mulch on yield of ratoon banana (*Musa* x *paradisiaca*)	B P Patil and C S Pulekar	479
Effect of inoculation of phosphate-dissolving bacteria on rice (*Oryza sativa*) in acid soil	M Datta, S Banik and S Laskar	482
Screening of Indian mustard (*Brassica juncea*) genotypes for saline Vertisols of Tungabhadra area of Karnataka	M S Uma, S Srinivas, M Hebbara and S G Patil	486
An easy and rapid method of leaf-area estimation in white mulberry (*Morus alba*)	B Satpathy, Shivnath, K M Rao, P L Ghosh and B P Nair	489
Inheritance of virulence in rice-gall midge (*Orseolia oryzae*)	J S Bentur, I C Pasalu and M B Kalode	492
Evaluation of adjuvants for nuclear polyhedrosis virus of gram-podborer (*Helicoverpa armigera*) on sunflower (*Helianthus annuus*)	R G Jadhav, V M Khaire and U N Mote	494
Biology of whitefly (*Bemisia tabaci*) on okra (*Hibiscus esculentus*)	H M Patel, R C Jhala, H V Pandya and C B Patel	497
Effect of storage on germination and microflora of soybean (*Glycine max*) seed	S K U Charjan and J L Tarar	500
Research review: Present trends in research on intercropping	B N Chatterjee and B K Mandal	507
Relative performance of long-duration pigeonpea (*Cajanus cajan*) of different growth habits as sole crop and in intercrop	C Johansen, Y S Chauhan, N P Saxena, H Singh, A S Tiwari, Y S Chauhan and D G Faris	519
Intercropping of mulberry (*Morus* species) with ginger (*Zinziber officinale*), turmeric (*Curcuma longa*) and field pea (*Pisum sativum*) under hilly regions of West Bengal	A Tikader, C Das, A K Misra and S Roychowdhuri	523
Effect of different levels of nitrogen and spacing on head yield of cabbage (*Brassica oleracea* convar *capitata* var *capitata*)	G C Bora, B C Deka and A Shadeque	527

Response of rainfed soybean (*Glycine max*)–safflower (*Carthamus tinctorius*) sequence to nitrogen and sulphur fertilization in Vertisols	R A Sharma and R K Gupta	529
Integrated management of organic and urea nitrogen for rice (*Oryza sativa*) under flooded condition	S P Chakravorti and A B Chalam	535
Preparation and evaluation of enriched city compost in an alluvial soil	J N Hajra, M C Manna and S C Kole	540
Varietal response to pruning in litchi (*Litchi chinensis*)	P K Chattopadhyay, Md Abu Hasan and H Ghosh	545
Yield response of diploid and induced autotetraploids of *Solanum viarum* under high-density planting	G Subbi Reddy and R Krishnan	551
Evaluation of ammonium polyphosphate as phosphorus source in japanese mint (*Mentha arvensis* subsp *haplocalyx* var *piperascens*)	K Subrahmanyam, A K Nair, A Chattopadhyay and D V Singh	554
Performance of Indian mustard (*Brassica juncea*)–cowpea (*Vigna unguiculata*) sequence under stress of water and minerals	B P Patil, B S Murhekar and B M Jamadagni	557
Effect of container and storage period on storability of safflower (*Carthamus tinctorius*)	S K U Charjan and J L Tarar	560
Efficiency of nodal roots in rainfed wheat (*Triticum aestivum*)	P K Varma	563
Persistence of dodine residue on apple (*Malus domestica*) fruits	V S Thakur and G K Gupta	566
Loss in yield and seed infection in promising genotypes of rice (*Oryza sativa*) due to sheath-blight disease caused by *Rhizoctonia solani*	A Basu and Prasanta K Sen Gupta	570
Effect of sucker treatment with insecticides on incidence of banana-rhizome weevil (*Cosmopolites sordidus*)	N Anitha, J S K Charles and L Rajamony	572
Biochemical analysis of acetone extract of *Cassine glauca* having antifeedant effect on castor semilooper (*Achaea janata*)	R N Sharma, S G Deshpande, B Sinha and B Nanda	574
Research review: Dryers and drying technology for food crops	B D Shukla and R T Patil	579
Rice (*Oryza sativa*)-based cropping patterns for hills zone of Assam	N N Sarma, D N Medhi and A Sarma	590
Productivity of rainfed pigeonpea (*Cajanus cajan*)-based intercropping systems	A K Padhi, B K Sahoo and K C Das	594
Genetics of resistance to Indian races of stripe-rust (*Puccinia striiformis*) in tester 'Heines VII' of wheat (*Triticum aestivum*)	K V Prabhu and J K Luthra	599
Fruiting potential and quality of 'Beauty Seedless' grape (*Vitis vinifera*) with differential pruning on head system of training	N S Tomer	603
Effect of weeding on seed yield of alfalfa (*Medicago sativa*)	Ahmed Abdulrahman Al-Noaim	608
Response of rice (*Oryza sativa*) to nitrogen in Kashmir	A S Bali, K N Singh, M H Shah and B A Khanday	610
Response of rice (*Oryza sativa*) to different levels of irrigation and nitrogen on a sandy-loam soil of Assam	M Saikia and T C Dutta	612
Schedule of irrigation for 'Aruna' castor (*Ricinus communis*)	Ishwar Singh and Ganpat Singh	614

Patchouli (*Pogostemon cablin*) as an intercrop in young coconut (*Cocos nucifera*) garden	Viswanathan, Radhakrishnan, Reghunath and Sosamma Cherian	616
Influence of season and location on yield, ginning outturn and halo length in upland cotton (*Gossypium hirsutum*)	S S Bhatade, S R Rajewar, V D Guthe and A M Degaonkar	618
Interrelationship between yield and yield attributes in rice bean (*Vigna umbellata*)	B Baisakh	620
Reaction of selected genotypes of chickpea (*Cicer arietinum*) to gram podborer (*Helicoverpa armigera*)	Y K Kotikal and K S Panchabhavi	623
Economic analysis of cultivation of rainfed rice (*Oryza sativa*) in hills	R S Tripathi	625
Post-infection fungicidal inhibition of apple scab (*Venturia inaequalis*) sporulation	V S Thakur and G K Gupta	629
Calibration of a tractor-mounted sprayer for optimum control of bollworms (*Pectinophora gossypiella, Earias insulana* and *E. vitella*) in upland cotton (*Gossypium hirsutum*)	Dharampaul Singh and Harcharan Singh	637
Estimation of economic threshold for rice gallmidge (*Orseolia oryzae*)	A P Samalo, B Senapati, G N Pradhan, S S Gadapala and C Gouda	643
Performance of sorghum (*Sorghum bicolor*) genotypes for intercropping with pigeonpea (*Cajanus cajan*)	Sunil Holkar and J G Jagtap	653
Effect of nursery fertilization and age of seedling on flood tolerance and productivity of rainfed lowland rice (*Oryza sativa*)	A R Shanna	657
Effect of irrigation and nitrogen on seed and oil content of Indian mustard (*Brassica juncea*)	S Ghatak, G Sounda and P K Jana	664
Effect of sowing date on wheat (*Triticum aestivum*) varieties under late-sown irrigated condition	M P Jain, J P Dixit, P V A Pillai and R A Khan	669
Effect of growth and subsequent *in-situ* decomposition of blue-green algae on change in different forms of zinc in submerged rice (*Oryza sativa*) soils	Biswapati Mandal, S C Das and L N Mandal	672
Accelerated transformation of leaf-litter through cellulolytic bacteria and fungi	Tarun Bora and Balamani Bezbaruah	678
Screening of Indian mustard (*Brassica juncea*) varieties resistant to mustard aphid (*Lipaphis erysimi*) in infested and protected environments	S Upadhyay, R K Agrawal, V S Kandalkar and K B Nigam	684
Effect of agronomic manipulation on late-sown wheat (*Triticum aestivum*)	B S Thakur and R A Khan	688
Response of Indian mustard (*Brassica juncea*) to sowing date and fertilizer application	A S Bali, T Singh, M H Shah, K N Singh and F A Nehvi	690
Response of bush-type field bean (*Dolichos lablab* var *lignosus*) varieties to phosphorus	B Singh, V A Parthasarathy and R P Medhi	692
Effect of zinc fertilization on different varieties of soybean (*Glycine max*)	S C Saxena and A S Chandel	695
Screening of soybean (*Glycine max*) germplasm lines for high seed germinability through methanol-stress test	V D Verma	698
Spike malformation in wheat (*Triticum aestivum*) varieties induced by 2, 4-dichlorophenoxyacetic acid	N T Yaduraju and K N Ahuja	700
Impact of crop damage on occurrence of *Aspergillus flavus* and aflatoxin in rainy-season maize (*Zea mays*)	K S Bilgrami, K S Ranjan and A K Sinha	704
Incidence and multiplication of mustard aphid (*Lipaphis erysimi*) in relation to meteorological variables	O P Bishnoi, Harvir Singh and Raj Singh	710

Systemic infection of maize (*Zea mays*) seedlings by *Botryodiplodia theobromae*	Kulwant Singh, Tribhuwan Singh and Dalbir Singh	713
Phenols and phenolic acids in groundnut (*Arachis hypogaea*) resistant to tobacco caterpillar (*Spodoptera litura*)	K N Singh and G C Sachan	717
Date palm scale (*Parlatoria blanchardi*), a new host of black beetle (*Chilocorus nigritus*)	C M Muralidharan, N N Sodagar, M V Ramdevputra and P K Patel	720
Categorization of groundnut (*Arachis hypogaea*) genotypes based on canopy development for stability in yield	G V S Nagabhushanam and M V R Prasad	725
Effect of farmyard manure on availability of phosphorus to wheat (*Triticum aestivum*) in soils of different physico-chemical properties	Tek Chand and N K Tomar	731
Response of wheat (*Triticum aestivum*) to various levels of irrigation with saline water under different crop sequences in Vertisol	V N Deshmukh, Y S Guhe and R P Rangacharya	737
Minimization of harmful effect of carbonate-ion concentration in irrigation water on yield of rice (*Oryza sativa*) and soil properties	Dinesh Kumar and B Pal	741
Seed soaking and foliar application of growth-regulants and anti-transpirant chemicals for increasing drought resistance in rainfed upland cotton (*Gossypium hirsutum*)	K Shanmugham	744
Root activity in kinnow mandarin (*Citrus reticulata*) using ^{32}P in submontane Himalayan region of India	S D Badiyala, R P Awasthi and Anjan Kalia	751
Standardization of tipping height in relation to pruning levels of china hybrid tea (*Camellia sinensis*) grown in Himachal Pradesh	K L Sharma and D K Sharma	758
Performance of spinach (*Spinacia oleracea*) in Antarctica	M C Joshi, A B Dhaulakhandi and R P Joshi	762
Efficiency of new low-cost nitrophosphate fertilizers for maize (*Zea mays*) in different soils	B M Bhujbal and T J D'Souza	765
Effect of fertilizer and phenyl mercuric acetate spray on wheat (*Triticum aestivum*) under tank-bed condition	I N Gupta, P L Maliwal and S S Rathore	767
Flowering behaviour of photo-insensitive and early mutant of tossa jute (*Corchorus olitorius*) under different regimes of seasonal temperature and photoperiods	P Roy Chowdhury, F Hossain and M Hossain	769
Allelopathic effect of *Eucalyptus macrorrhyncha* and *E. youmanii* on seedling growth of wheat (*Triticum aestivum*) and radish (*Raphanus sativus*)	G L Bansal, H Nayyar and Y S Bedi	771
Environmental influence on genetic parameters of quality components in rainfed upland rice (*Oryza sativa*)	J S Chauhan, V S Chauhan, S B Lodh and A B Dash	773
Metroglyph analysis of morphological variation in Indian mustard (*Brassica juncea*)	Dilruba Begum Dewan, Md Ashraful Islam and Md Abdul Khaleque	776
Genotype x environment interaction for seed-cotton yield in asiatic cotton (*Gossypium arboreum*)	S K Tomar and O S Rana	778
Divergence in sexual dimorphism among betelvine (*Piper betle*) clones	Satyabrata Maiti, S R Biswas and N N Raghavendra Rao	780
Bud structure of linseed (*Linum usitatissimum*) in relation to incidence of budfly (*Dasyneura lini*)	O P Katiyar, Pratibha Singh and N Shrivastava	783
Assessment of rat damage in weedy and unweedy fields of wheat (*Triticum aestivum*)	O P Dubey, A K Awasthi and R K Agrawal	786

Intercropping of safflower (*Carthamus tinctorius*) in post-rainy sorghum (*Sorghum bicolor*) for stabilizing monetary returns	M H Lomte, P K Kawarkhe and M Ateeque	793
Effect of age of seedling on performance of late-planted, short-duration rice (*Oryza sativa*)	B B Reddy, M D Reddy and D R Reddy	796
Effect of soil depth, irrigation depth and irrigation interval on growth, yield and nutrient uptake in wheat (*Triticum aestivum*) on a clay soil in Gujarat	M S Patel, G J Hadvani, B S Yadav and M B Meishcri	800
Effect of soil-water regime on microclimate and performance of wheat (*Triticum aestivum*) crop	Rajwant Singh and S S Hundal	805
Preparation of nitrogen- and phosphorus-enriched compost and its effect on wheat (*Triticum aestivum*)	S Singh, M M Mishra, Sneh Goyal and K K Kapoor	810
Effect of biofertilizers in presence of fertilizer nitrogen on yield and quality of sugarcane (*Saccharum officinarum*)	K S Bangar, S R Sharma and S L Namdeo	815
Variation in leaf anatomy of upland cotton (*Gossypium hirsutum*), tree cotton (*G. arboreum*) and asiatic cotton (*G. herbaceum*)	Suman Bala Singh	819
Regression and correlation analysis in grain amaranth (*Amaranthus hypochondriacus* and *A. cruentus*)	S G Agong and P O Ayiecho	822
Gene effect for six metric traits in Indian mustard (*Brassica juncea*)	O P Verma, R K Singh, Karan Singh and P V Singh	827
Response of lentil (*Lens culinaris*) to different levels of nitrogen and phosphorus under rainfed conditions of Kashmir	T Singh, K N Singh and G H Baba	830
Effect of crop geometry on growth and yield of upland cotton (*Gossypium hirsutum*)	I J Singh, U V S Panwar and D S Oberoi	832
Nutritional value of four host seeds and their relationship with adult and nymphal performance of seed bug (*Elasmolomus sordidus*) (Heteroptera: Lygaeidae)	A Mukhopadhyay and B Saha	834
Influence of solar heating on control of dry root-rot (*Macrophomina phaseolina*) and weeds in arid environment	Satish Lodha and K R Solanki	838
Fungicidal control of leaf blight of geranium (*Pelargonium graveolens*)	A Kalra, T N Parameswaran and N S Ravindra	844
Effect of plant extracts on ovipositional behaviour of spotted bollworm (*Earias vitella*) infesting okra (*Hibiscus esculentus*)	I R Sojitra and J R Patel	848

Book Reviews 99, 173, 243, 298, 360, 503, 575, 646, 722, 788, 850

Author Index

Abdul Khader K B 13
Abdulrahman Al-Noaim, Ahmed 608
Abu Hasan, Md 545
Adetunji M T 150
Agong S G 822
Agrawal K K 58
Agrawal R K 684, 786
Ahmed Abdulrahman Al-Noaim 608
Ahuja K N 700
Alam F 450
Al-Noaim, Ahmed Abdulrahman 608
Ali, Masood 249, 466
Ali Qadar 124
Anbazhagan M 106
Anitha N 572
Anjan Kalia 751
Anwar M 80
Ariyo O J 83
Arvind Kumar 397
Ashok K Dhawan 424
Ateeque M 793
Athinarayanan R 16, 64
Aujla S S 171, 228
Aujla T S 129
Awasthi A K 290, 786
Awasthi R P 751
Ayiecho P O 160, 822
Azad A K 114

Baba G H 830
Badiyala D 341
Badiyala S D 751
Baisakh B 335, 620
Balakrishna Rao M J 332
Balamani Bezbaruah 354, 678
Bali A S 610, 690
Bangar K S 815
Banik S 482
Bansal G L 771
Bao, Nguyen Duy 332
Bassi K 341
Basu A 570
Bedi Y S 771
Begum, Morzia 95
Bentur J S 492
Bezbaruah, Balamani 354, 678
Bhagavandoss M 442
Bhagwat K A 106
Bhalla O P 238
Bharambe P R 436
Bhardwaj B S 358
Bhardwaj C L 369
Bhardwaj S N 319
Bhargavi K 29
Bhatade S S 410, 618
Bhati D S 218
Bhatnagar G S 280
Bhatnagar V K 212
Bhattacharjee B K 139
Bhujbal B M 765
Bijan K Mandal 432
Bilgrami K S 704
Bishnoi O P 351, 710
Bisht I S 93
Biswapati Mandal 672
Biswas S R 349, 780
Bora G C 527
Bora L C 418
Bora, Tarun 678
Burad P K 88

Chakravorti S P 535
Chalam A B 535
Challa O 278
Chand J N 418
Chand, Tek 731
Chandel A S 695
Charjan S K U 500, 560
Charles J S K 572
Chatterjee B N 507
Chatterjee, Chitralekha 445
Chattopadhyay A 554
Chattopadhyay P K 545
Chauhan J S 773
Chauhan V S 187, 773
Chauhan Y S 519
Chavan A A 376
Cherian, Sosamma 616
Chitralekha Chatterjee 445
Choudhary B S 290

Choudhary D R 373
Choudhary J K 347
Choudhury, P Roy 769

Dabas B S 93
Dahiphale V V 436
Dahiwalkar S D 402
Dalbir Singh 713
Dalip Singh 468
Das B K 345
Das C 523
Das, Gitali 224
Das K C 594
Das N K 345
Das S C 672
Dasgupta, Subhash 114
Dash A B 773
Dash G B 335
Datta M 482
Deedar Singh 468
Degaonkar A M 618
Deka B C 527
Deshmukh P S 282
Deshmukh V N 737
Deshpande S G 574
Dewan, Dilruba Begum 776
Dhaliwal H S 276
Dharampaul Singh 637
Dhaulakhandi A B 762
Dhawan A K 85
Dhawan, Ashok K 424
Dhoble M V 376
Dhope A M 247
Dhyani B P 73
Dikshit S N 60
Dilruba Begum Dewan 776
Dinesh Kumar 741
Diwan Singh 56, 351
Dixit J P 669
D'Souza T J 765
Dubey O P 786
Dutta T C 612

Faris D G 519
Faroda A S 75

Gadapala S S 643
Gaikawad S T 78
Gangopadhyay S 418
Ganguli, Smritimala 224
Ganpat Singh 400, 614
Gautam R C 476
Ghatak S 664
Ghoderao B N 293
Ghosh D C 20
Ghosh H 545
Ghosh P L 489
Gill H S 144
Gill K A 171
Gill K S 124, 177
Gill M S 179
Girdhar I K 339
Gitali Das 224
Gopalakrishna V 405
Gopalakrishnan B 387
Gouda C 643
Goyal R K 135
Goyal, Sneh 810
Grewal J S 169
Guhe Y S 737
Gulati S L 456
Gupta B S 273
Gupta G K 566, 629
Gupta I N 767
Gupta R K 529
Gupta R P 358, 408
Gupta, Prasanta K Sen 570
Gupta, Rajendra 47
Gupta V K 58
Gurbachan Singh 144
Gururajan K N 316
Guthe V D 618

Hadvani G J 800
Hajare T N 278
Hajra J N 540
Harcharan Singh 637
Harvir Singh 710
Hasan, Md Abu 545
Hebbara M 486
Henry S 316
Holey N R 293
Holkar, Sunil 653
Hooda I S 75
Hossain F 769
Hossain M 769

Hundal S S 805
Hussain, Muhammad 95
Hussain, Mir Mustafa 153

Ilamurugan G 427
Indrani Patgiri 354
Indu Sharma 171
Ishwar Singh 400, 614
Islam, Md Ashraful 776

Jadhav A S 472
Jadhav B S 472
Jadhav R G 494
Jadhav S B 472
Jagdish Prasad 278
Jagtap J G 653
Jain M P 669
Jamadagni B M 268, 557
Jamwal R S 369
Jana P K 664
Jhala R C 497
Johansen C 519
Joshi M C 762
Joshi R P 762

Kahar L S 313
Kahlon P S 276
Kalia, Anjan 751
Kalode M B 492
Kalra A 844
Kandalkar V S 329, 684
Kansal B D 77
Kant, Shiva 191
Kanwar N 91
Kapoor K K 810
Karan Singh 827
Karibasappa G S 205
Kathaperumal V 442
Katiyar O P 783
Kaushal R P 91
Kaushik S K 476
Kawarkhe P K 793
Khader, K B Abdul 13
Khader S E S A 163
Khaire V M 494
Khaleque, Md Abdul 776
Khan, M Maqsood 414
Khan R A 67, 669, 688
Khanday B A 610
Kharwara P C 343
Khating E A 376
Khurana, Neena 445
Kole S C 540
Korla B N 135
Kothandaraman G V 118
Kotikal Y K 623
Kotur S C 286
Krishnamurthy R 316
Krishnamurthy S 16
Krishnan R 551
Kuila S 258
Kulwant Singh 713
Kumar A 429
Kumar, Arvind 397
Kumar, Dinesh 471
Kumar J 429
Kumar, K Rupa 1
Kumar, Raj 191
Kumar, Rajesh 295
Kumar V 91
Kumar, Vandana A 429
Kundu S 212

Lakshminarayana K 75
Lal B 476
Lallan Singh 101
Laskar S 482
Lenka D 395
Lenge D D 365
Lodh S B 773
Lodha, Satish 838
Lomte M H 793
Luthra J K 599

Madan S P S 129
Magar S S 402
Mahakulkar B V 247
Mahesha A 13
Maheshwari M L 47
Maiti, Satyabrata 349, 780
Maliwal P L 767
Mammooty K P 166
Mandal B K 507
Mandal, Bijan K 432
Mandal, Biswapati 672
Mandal L N 672

Mandal S 47
Mandal, Suvendu 412
Manna M C 540
Masood Ali 249, 466
Mathur B K 273
Maqsood Khan M 414
Md Abdul Khaleque 776
Md Abu Hasan 545
Md Ashraful Islam 776
Medhi D N 590
Medhi R P 692
Mehta D M 88, 421
Meisheri M B 800
Mir Mustafa Hussain 153
Mishra B 73
Mishra M M 810
Mishra N C 235
Mishra R R 196
Misra A K 523
Misra B C 235
Mistri P K 345
Mitra G N 391
Mitra B N 70
Mohammad, Shaik 153
Mohanty J P 41
Mondal S S 258
Moorthy B T S 382
Morzia Begum 95
Mote U N 494
Mudholkar N J 263
Muhammad Husain 95
Mukhopadhyay A 834
Mukhopadhyay A K 80
Munot A A 1
Munshi Singh 319, 325
Muralidharan C M 720
Murhekar B S 557
Mustaffa Hussain, Mir 153

Nagabhushanam G V S 303, 725
Nain L R 456
Nair A K 554
Nair B P 489
Namdeo S L 815
Nanawati G C 280
Nanda B 574
Narang R S 179
Narasimharao P 9
Narasimharao Y 9
Narula N 75
Narwal S S 35
Nayyar H 771
Neena Khurana 445
Nehvi F A 690
Nguyen Duy Bao 332
Nigam K B 313, 329, 684

Oberoi D S 832
Omondi C O 160
Oseni T O 365
Oza S R 436

Pachori R S 313
Padhi A K 594
Pal B 741
Pal S K 450
Pal U R 365
Palaniappan Sp 387
Panchabhavi K S 623
Pandey N D 295
Pandya H V 497
Panwar U V S 832
Parameswaran T N 844
Pareek S K 47
Parida S K 391
Parmar P S 343
Parthasarathy B 1
Parthasarathy V A 692
Pasalu I C 492
Patel A M 88
Patel C B 497
Patel C C 421
Patel H M 497
Patel J R 88, 421, 848
Patel M S 800
Patel N M 421
Patel P K 720
Patgiri, Indrani 354
Pathak A K 347
Pathak R K 60, 220
Patidar H 329
Patil B P 479, 557
Patil N B 325
Patil P D 402
Patil R T 579
Patil S G 486

Patra D D 80
Patra G J 41, 461
Patra P 461
Pawar V S 402
Peshney N L 293
Pillai P V A 669
Pillay V S 166
Porwal M K 280
Potdukhe N R 247
Prabhakar M 309
Prabhu K V 599
Pradhan G N 643
Prakash C 254
Prakash S 369
Prakash, Ved 35, 212, 397
Prasad J 51
Prasad, Jagdish 278
Prasad M V R 303, 725
Prasad N K 110
Prasad S N 254
Prasanta K Sen Gupta 570
Pratibha Singh 783
Praveen Rao V 210, 405
Pulekar S C 479
Pundarikakshudu R 263
Purohit M L 273

Qadar, Ali 124

Radhakrishnan 616
Rafey A 110, 215
Raghavaiah C V 16, 64
Raghavendra Rao N N 780
Rahman M H 450
Rahman M M 114
Raikhelkar S V 210
Raj Kumar 191
Raj Singh 351, 710
Rajamony L 572
Rajendra Gupta 47
Rajendran B 97
Rajesh Kumar 295
Rajewar S R 410, 618
Rajwant Singh 805
Ramdevputra M V 720
Ramvir Singh 373
Rana O S 778
Randhawa A S 276
Rangacharya R P 737
Ranganna G 13
Ranjan K S 704
Ranjith A M 166
Rao K M 489
Rao K Sadashiva 405
Rao, M J Balakrishna 332
Rao, N N Raghavendra 780
Rao, V Praveen 210, 405
Rao V U M 56, 351
Ratan Singh 254
Ratanpara H C 88
Rathore S S 767
Rattan G S 228
Rattan R S 135
Ravindra N S 844
Reddy B B 796
Reddy D R 796
Reddy, G Subbi 551
Reddy M D 24, 796
Reddy, M Suryanarayana 405
Reddy, T Yellamanda 29
Reddy V G 410
Reghunath 616
Rodge R P 436
Roy Chowdhury P 769
Roychowdhuri S 523, 769
Rupa Kumar K 1

Sachan G C 717
Sadashiva Rao K 405
Saha B 834
Sahakundu A K 345
Sahoo B K 594
Sahoo S 395
Sahu B C 41, 147
Sahu S K 147, 391
Saikia M 612
Saini S P 77
Sairam R K 282
Sakthivel N 427
Salomi Bina Simon 153
Samalo A P 643
Sandeep Sharma 67
Sapra R L 93
Sardana S 361
Sarkar J 345
Sarkar S 345

Sarma A 590
Sarma N N 590
Satikumaran S 166
Satish Lodha 838
Satpathy B 489
Satpute G N 293
Satyabrata Maiti 349, 780
Saxena N P 519
Saxena S C 695
Sen Gupta, Prasanta K 570
Senapati B 643
Sengupta K 412
Sengupta U K 268
Sen-Mandi, Swati 224
Shadeque A 527
Shah B R 88
Shah M H 610, 690
Shaik Mohammad 153
Shanker U 58
Shanmugam T R 442
Shanmugham K 744
Sharma A K 232
Sharma A R 24, 70, 657
Sharma C B 16
Sharma D D 240
Sharma D K 758
Sharma, Indu 171
Sharma K C 238
Sharma K L 758
Sharma P B 67
Sharma R A 529
Sharma R N 574
Sharma S K 276
Sharma S R 815
Sharma, Sandeep 67
Sharma U C 149
Shekar V B 247
Shiva Kant 191
Shivnath 489
Shrivastava N 783
Shrivastava S K 67
Shrotriya A K 373
Shubhra Shukla 445
Shukla A K 196
Shukla B D 579
Shukla D S 282
Shukla, Shubhra 445
Sidhu A S 85
Simon, Salomi Bina 153
Simwat G S 85, 424
Singaram P 118
Singh A K 220, 408
Singh B 461, 692
Singh B M 47
Singh B P 20
Singh B R 41
Singh C V 187
Singh D V 80, 554
Singh, Dalbir 713
Singh, Dalip 468
Singh, Deedar 468
Singh, Dharampaul 637
Singh, Diwan 56, 351
Singh, Ganpat 400, 614
Singh, Gurbachan 144
Singh H 519
Singh, Harcharan 637
Singh, Harvir 710
Singh I J 832
Singh I S 337
Singh, Ishwar 400, 614
Singh J P 337
Singh K N 124, 610, 690, 717, 830
Singh, Karan 827
Singh, Kulwant 713
Singh, Lallan 101
Singh, Munshi 319, 325
Singh N T 339
Singh P V 827
Singh, Pratibha 783
Singh R K 187, 827
Singh R P 397
Singh, Raj 351, 710
Singh, Rajwant 805
Singh, Ramvir 373
Singh, Ratan 254
Singh S 810
Singh S P 156
Singh S V 295
Singh, Suman Bala 819
Singh, Surender 56, 351
Singh T 690, 830
Singh, Tribhuwan 713
Singh V P 319, 325
Singh, Yudh V 432
Sinha A K 704

Sinha B 574
Smritimala Ganguli 224
Sneh Goyal 810
Sodagar N N 720
Sojitra I R 848
Solanki K R 838
Solomon S 456
Sondge V D 210, 436
Sosamma Cherian 616
Sounda G 664
Srinivas K 309
Srinivas S 486
Srivastava A K 200
Srivastava B B L 414
Srivastava O P 200
Srivastava P K 358
Subbi Reddy G 531
Subhash Dasgupta 114
Subuddhi, Uttam K 432
Subrahmanyam K 554
Sud R G 139
Suman Bala Singh 819
Sundararaj R 427
Sunil Holkar 653
Surender Singh 56, 351
Surendra S Tomar 313
Suryanarayana Reddy M 405
Suvendu Mandal 412
Swati Sen-Mandi 24

Tarar J L 500, 560
Tarun Bora 678
Tek Chand 731
Thakur A P 240
Thakur B S 688
Thakur N P 77
Thakur V S 566, 629
Tikader A 523
Tiwari A S 519
Tomar N K 731
Tomar N S 603
Tomar S K 156, 778
Tomar, Surendra S 313
Tribhuwan Singh 713
Tripathi R S 625

Uma M S 486
Upadhyay S 684
Uttam K Subuddhi 432

Vandana A Kumar 429
Variar M 187
Varma P K 563
Vasanthi D 442
Ved Prakash 35, 212, 397
Venkatakrishnan J 442
Verma B 254
Verma D 258
Verma L S 373
Verma O P 827
Verma R 290
Verma V D 698
Vishwanathan 616

Wanjari S S 247
Wankhede N P 263

Yadav B S 800
Yaduraju N T 700
Yellamanda Reddy T 29
Yudh V Singh 432